

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: JCoote@aol.com
Subject: [6415] 10 meters & CB conversions
Message-ID: <960330084951_259806362@emout06.mail.aol.com>

Hi all.

I've seen some posts here regarding 10 meter QRP radios, what crystals, what to do, etc.

What about CB conversions? Maybe converting a 40-channel USB/LSB/AM type CB radio might be one answer.

The problem with CB conversions is that these are synthesized radios, the 40 channels fall in 10 KHz increments (with a little glitch in the middle where some RC hobby channels are skipped over).

This brings up the question of where to put the CB conversion. Every few years there are articles or packet bulletins about CB conversions, but I don't know if anyone has made an effort at standardization... (example- one group of 40 SSB channels for novice, another for AM'ers, another for CW, another channel group for QRP SSB)

I tried someone's conversion on my Cobra 146GTL in 1981 (40 channel AM/SSB CB) and did not like it much. They turned the RIT into a VFO and transmit and receive would not track properly. In my opinion, CBs are cheap, so keep the conversion simple... no bogus VFOs.... just get some agreements on channels.

I don't understand all the stuff about 10, 12 or 15 being "dead bands". I guess the "dead band" means there is no DX booming in at the time, but (CB'ers know this better than some hams!) these bands are good for local contacts if you use a vertical antenna. Put the vertical fairly high up (at least on the roof) and treat 10-12-15 meters as if they were VHF bands for local contacts.

Maybe converted CB's and packet TNCs might be good for QRP digital communications. Packet TNCs record activity on a channel and have a beacon mode. The neat thing about packet (and packet beacons) is you don't have to be glued to the radio, just check once in a while to see what the TNC has heard.

My two zloty's worth,

73, Jay
WB6AAM

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: Tim English <dx@sun.tir.com>
Subject: [6402] 12 volt gel cells for sale
Message-ID: <2.2.16.19960330020017.0e170446@tir.com>

Have the following used but good gel cells for sale removed from burglar alarm systems. All are guaranteed to be good and fully charged on arrival. All have been load tested and none are over 4 years old.

1 - 12v 7ah \$12
1 - 12v 6ah \$10
2 - 12v 4ah \$8

Also have many 6v 500ma nicad packs for \$3

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Tim

Certified Engineer of Fire Alarm Technology
Amateur Radio Station: WB80GM (since 1972)
Email: dx@tir.com
Voice Email: dx@tir.com

"Sometimes imagination is better than knowledge"

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [6406] 30M Propagation Study - Prelim
Message-ID: <199603300920.JAA02256@chuck.dallas.sgi.com>

Dates: May 1, 1996 0000Z to September 1, 1996 2359Z
Band: 30M (10.100 to 10.125MHz CW; 10.125-10.150 Digital)
Preferred CW range 10.115 - 10.125MHz
Why? Last year saw commercial 10KW stations on 10.106, 10.108, and 10.112 for starters, so maybe up high end of CW part will work. EU 10.116MHz QRP calling freq is in this range.
Hours: 24 hours a day
Power: QRP and QRPp levels

Purpose: Check out 30M. This is a propagation study. Everyone starts out at zero. You get bragging rights for your accomplishments. You make up

your quantitative measure: WAS count, DXCC count, WASTP, best miles/watt, qrp-1 members worked, beacons heard, most QSL collected, Your goals and your challenges. Experiment with antennas. Look for K4TWJ. Look for NN1G. Anyone. The list boggles the mind.

No schedules, no announcements, and no fox hunts please. Every man, woman, and child for themselves. No complicated or even simple scoring mechanism to clutter the desk or to look up.

My goals: AK, DE, NV, ND, and **RI** (you hear me Lee?)
Inside joke from last year.

Who Plays: Anybody. There will be a quiz at the end.

This will run concurrent with the 10M propagation study.
This is not a contest. This is to get you on the air.

Novices and Tech+ do 10M. Upgrade ASAP. We want you on 30M with us. We miss you.

For those new to the list. We are not a contest club. It may seem like it with all the things going on. It may have seemed like it with the foxhunt, but truly it is all friendly interplay to generate on the air activities. Keeps some from getting bored. :-)
We can't play pro-sports so we do the next best thing - beat on each other. It's all mental gymnastics and exercise.

. .

I have been listening on 30M. At 0800Z JA9IFF heard at 10.105MHz. Another weak signal at 10.135MHz CW. So looks like band is coming back to life after a quite winter nap. In fact, I'm off 40M until September. Guess another season looking for KL7 passes without success. Almost had Jim in AK, but my .95W didn't cut the mustard. Heard him at 2W. Exiled in TX until next winter.

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Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: Ken_KD1XS@prodigy.com (KEN HANKS)
Subject: [6431] 30M Propagation Study - Prelim
Message-ID: <013.04801603.KZBQ03A@prodigy.com>

Chuck:

Looking forward to the 30M propagation study. I had bad luck with the Fox, between a rotating work schedule and a very active 1 1/2 year old.

I'm even thinking of experimenting with some phased verticals for 30M.

72,

Ken Hanks, KD1XS

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: "Ralph L. Irons" <rli8m@weyl.math.virginia.edu>
Subject: [6411] 40-9er alive in VA
Message-ID: <Pine.A32.3.90.960330081710.31153A-1000000@weyl.math.Virginia.EDU>

The envelope from Norcal was a welcome sight yesterday afternoon. Following Doug's advice, I built from the schematic -- drilling one hole to put the VX0 cap (instead of the inductor) to ground, and cutting one trace to implement the LM380 feedback loop to increase audio gain. By 11 pm, I was listening to the beautiful sounds of SW broadcast on 7040.

This morning I had my first 9v QSO with N50DV in Little Rock, Mississippi. What a blast!

I'll put it in a box, and try out Wayne's simple antenna suggestion for QRP Afield. Plan to operate from Monticello.

Thanks to Wayne, Doug and Jim!

72, Ralph AA6UL/4
Charlottesville, VA

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: Roger Hightower <aa7qy@netzone.com>
Subject: [6424] 40-9er QSL card

Message-ID: <199603301835.LAA20885@nz1.netzone.com>

--===== _828214589==_
Content-Type: text/plain; charset="us-ascii"

After Bob Follett, WA7FCU and I had our 40-9er to 40-9er QSO, he e-mailed me a copy of a QSL card he had generated. I received the hard copy today, along with a supply he created for me to use. Just had to pass this along to the group because it's such a neat idea.

The card is attached as a MIME document...for those who can't read those, sri. You'll just have to have a 40-9er to 40-9er qso with one of us to see it.

These are special to me....only to be used for special contacts. I'll be listening for you all.

Public thanks to Bob for the contact and cards.

72/73, de Roger, AA7QY

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Ow==

--===== _828214589==_
Content-Type: text/plain; charset="us-ascii"

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

--===== _828214589==_--

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: ae4ic@nr.infi.net (BOB KELLOGG)
Subject: [6422] 49er Kits
Message-ID: <199603301732.MAA26628@mh004.infi.net>

Great news, Gang!

The 49er kits are arriving in the east. Got mine in the mail today. Looks like a couple of hours work to stuff the board and plan an enclosure. (I have an Altoids box, but I think I may go for something a little more elegant) - (maybe with a built in keyer)

CUL,

Bob Kellogg, AE4IC
Probably, but not nececelery. - Benny Hill

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: Johnson_Dan@aac.com
Subject: [6403] Backwards prototype boards (was Re: Forty-9er Kit)
Message-ID: <9603301000.19765.aa@SMROUTER.AAC.COM>

Chuck wrote:

> When I get done I'm sure I didn't leave anything out and I do hold the
> board up to a backlight to see if there are any remaining
> empty holes. I hate it when that happens... Radio Shack...

Not half as much as I hate it when *this* happens: recently, I bought a two of the prototyping PC boards from R/S, the ones with little busses running down the edges and groups of two and three holes foiled together. Prototyped a little T/R switch circuit on it using the mask printed on the reverse of the foil side. Stuck parts in, soldered, got nearly to the end and realized that a transistor collector wasn't connected to anything.

You know the rest. Yes, the other board had the mask printed backwards, too. Must've been a bad run. Now I do a QC inspection whenever I'm forced to buy something similar from that, ahem, establishment.

I got so disgusted that I sent dollars for a 40-9er instead. Keeping the T/R switch "circuit" around as a reminder...

72 de KC4EWT
Johnson_Dan@aac.com

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: Pete Meier WK8S <pmeier@sun.tir.com>
Subject: [6409] Cascade FS Best Offer...
Message-ID: <315D30E5.7BAB@tir.com>

I have a Cascade mostly complete. Case needs painting and board needs placement in case. Constructed carefully and passed all tests. Receiver works well and transmitter is putting out between 2-3 watts on both 20 and 75 meters. Will include caps for 75m mod. Best offer over \$100. Please be fair as kit costs great deal more. Reason I'm selling is I don't have time to finish it and I operate mostly cw anyway (plus I need some money for Dayton :)

Pete

--

Member of ARRL, ARCI, MI-QRP, NORCAL, NE-QRP, G-QRP, CQC
Pete Meier WK8S Email: pmeier@tir.com
Waterford, Michigan USA

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: Jeffrey Hetherington <jhetheri@freenet.npiec.on.ca>
Subject: [6399] CB Channel 19
Message-ID: <Pine.SGI.3.91.960329235852.11545A-1000000@freenet.npiec.on.ca>

Hi guys. Sorry for the bandwidth, but can anybody help a ham newbie that was never into CB. With all the talk of the summer 10m exercises and checking CB 19 for possible 10m openings, I was hoping somebody could tell me the freq. for CB 19.

Tnx es 73.
Jeff - VA3JFF

=====
L. JEFFREY HETHERINGTON
Niagara Falls, Ontario, Canada
E-Mail : jhetheri@freenet.npiec.on.ca

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: N1QQV@aol.com
Subject: [6410] Comet Pics
Message-ID: <960330082035_501650512@emout06.mail.aol.com>

SRI about the bandwidth, but I tried to download (via aol) some of the comet pics that were mentioned here, and couldn't get past the first screen. Didn't see a "Astro Images" button either. Anyone have any luck with this??

73, Ken

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: Joel Malman <malman@bbnplanet.com>
Subject: [6401] Condo Antenna Saga
Message-ID: <9603300152.aa00528@poblano.bbnplanet.com>

Group,

A Condo-owner saga:

I am one of those condo owners, where the rule is: NO ANTENNA. I have read the 'fine print' and it says NO antenna on Condo buildings - but let's hope I don't have to ever argue that point. VHF (2mtr, 70cm, etc) via an indoor antenna is no problem for us condo owners! HF is quite another story.

HF Story, Part 1:

For HF I was using an indoor antenna with a QRP rig (naturally!), until about 5 months ago. After a snow storm I came up with the idea I could string a long wire "invisible" antenna - 20awg, stranded, with white insulation. Perfect, I thought, it would never be seen against the white snow. So a long white wire went out the window ... out to the trees about 100 foot away. There was about 24 inches of snow on the ground at the time, so the WX was perfect for installing a new antenna (Hi). The new antenna worked pretty well. The QRP XCVR had no problems loading through my antenna tuner into the long white wire.

Well, it was an invisible antenna for all of one day! Next day after the long white wire antenna when up my next door neighbor asked how that wire antenna was doing. Sigh. But ever since then, none of the neighbors has ever said a word about the antenna. None of the condo trustees asked about the antenna either. So far, so good.

HF Story, Part 2:

The long white wire has been up for 5 months now. Works pretty good. No bad words from the condo association. Time for the next step !!

Since the long white wire does not seem to bother the condo association, and Spring is here, the next step is a "V" antenna. The Antenna Book says they are pretty easy build, and it's not too much different from what the condo association seems to be already willing to live with.

I'm going to use 300ohm TV twin-lead, instead of coax to feed the V. I hope the twin-lead is something common enough that the condo association will not notice or mind. The twin-lead will feed two ~60 foot length teflon coated wire on each leg of the V. I hope the antenna tuner will be able to make a pretty good match.

To be continued.

The next step if all goes well, maybe this fall, will probably be installing a full-wave loop, and then maybe a vertical mounted in the trees. A three element beam on the roof is probably not something in the cards.

72,3

/joel wa1qvm [malman@bbn.com, joel@bbn.com, malman@bbnplanet.com]

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: gcouger@master.ceat.okstate.edu
Subject: [6405] Correction on HW9 address:
Message-ID: <199603300746.CAA107343@nss2.CC.Lehigh.EDU>

> I don't remember what he wants for it but his email
> address is kolesnik.Vyvxl@GW.TCW.COM. His name is Hank Kolesnik WD5JFR.
!!!!!!!!!!!!!! correction kolesnik.Vyvxl@GW.TWC.COM. !!!!!!!

>I have bought and sold stuff to him over the last several years and I have
>always been satisfied.

Sorry about that
Gordon

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: PaulKB8N@aol.com
Subject: [6412] Digibrain Discrepancy
Message-ID: <960330083643_259802203@mail06>

Gang,

I ordered the Digibrain VFO kit from March QST, thinking it would be an ideal starting point for a QRP rig. After waiting two weeks, I got a reply asking for an additional \$10, unless I wanted to program the CPU chip myself! If anyone else is interested in ordering this kit, be advised that there will probably be a significant wait, and the price is not as what was reflected in QST.

72, Paul

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [6418] E-mail address change (again)
Message-ID: <199603301623.JAA29203@user.dancris.com>

My e-mail address has changed again. I unsubscribed on the old one and re-subscribed with this one, so have not missed anything. Please address any mail to me at ki7mn@dancris.com
73,

Bob NorCal #1228, ARCI #8918, Qrp-1 #271

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: [6427] expect more 40-9ers singals from Canada
Message-ID: <Pine.SUN.3.92.960330140835.20202E-100000@ume>

The no rules QRP club of Calgary is active and thriving. We meet informally every Thursday evening and on Saturdays for coffee together with the QRO crowd, some of which we are slowly converting. We have four working epiphytes, a couple of Sierras finished, one under construction plus two cascades being assembled. We even have a two letter club call sign: VE6DN.

I took a copy of QRP quarterly to coffee today and 4 of us decided to

build the 49er. Then two new hams interested in building something came over and asked me what a good first project would be! One hour later I had 10 orders for this little rig. I

think I can sell another two quite easily based on this mornings response! Two people will use this as their motivation to take the cw test next month. Everybody will have fun. Logical followup will be a local 40 m QRP net with everybody using a 49er.

Look for VE6DN in the upcoming QRP Afield....we will be taking a portable 60 foot tower out to a fieldd....hopefully not too much snow by April 27th! ;-)

Dr. Rick Zabrodski BSc, MD, CCFP(E)	*	VE6GK
Clinical Assistant Professor	*	NorCal 519 ARCI 7650 GQRP 8329
Faculty of Medicine, Univ. of Calgary	*	"Power is no substitute for skill"

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: larsennc@alaska.net (Nancy-KL7NY/Jim-AL7FS/Juliann-WL7MP)
Subject: [6426] F.S. Index Laboratories QRP+
Message-ID: <v01510101ad83474984a3@[206.149.66.194]>

My QRP+ is for sale for \$450.00. I will pay shipping in the US. This rig is in mint condition and has the cw and last-mode eeprom upgrades.

73,

Jim Larsen
AL7FS
h=907-345-3190
w=907-264-7395

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: ae4ic@nr.infi.net (BOB KELLOGG)
Subject: [6423] Foxes,Rats,Weasels,Chipmonks,Ferrets,Roaches,Ugh!
Message-ID: <199603301732.MAA26603@mh004.infi.net>

Well, gang,

I was trying to refrain from using more bandwidth on this subject, but I'm about to bust with questions and comments, so here goes before I explode.

First, an addendum to the Rat report. The "5" call I mentioned as an "almost contact" was none other than our own Jim Markle KB50B from California! (I had him as KD50B) So, it was a coast to coast QRP QSO almost. (we could copy each other pretty well, but we copied the QRM better)

Second, how about some of you experienced Foxes telling me how you gracefully avoid the guys who just want to chat?

With regard to the concern about Rat hunts diluting the fun of Fox hunts, I received no negative comments. Did get many that said, "Go for it!", and a few that said they were going to oil up their rig and check the calendar to set up their turn as the Rat. We'll just have to see what happens.

Many comments were concerning the term Rat, proposing other, more fitting names. (See subject line) I thought the best was Ferret, proposed by Rich Stern, but the problem with all of those good names is that they take twice as long to send in code. -- So, I'm going to stick with Rat. (think of a nice, white, soft, furry, docile laboratory rat) -- (this is an experiment)

Finally, for those who have read this far and don't know what I'm talking about: There will be a Rat hunt, Tuesday night, April 2, 1996 at 9:00-11:00 PM EST. i.e., Wednesday morning, 0200-0400 UTC at 7.040 MHz +/- . Will check 7.110 +/- at 0230 and 0330 for at least 10 minutes.

Results will be reported on QRP-L and QSL cards will confirm contacts. Exchange what ever you feel like exchanging - RST, name, rig, ant, pwr. I will call CQ CQ QRP RAT DE AE4IC AE4IC/QRP K or similar. Speed will be about 13 WPM or slower if I hear some slower code. This is just for fun, so don't worry about your speed, jump in! If you didn't catch a Fox, try for the Rat.

CUL,

Bob Kellogg, AE4IC
Probably, but not nececelery. - Benny Hill

From owner-qrp-l@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: wdzeares@rockdal.aud.alcatel.com
Subject: [6419] FS: DSP9
Message-ID: <9603301653.AA26092@aud.alcatel.com>

I have a like new DSP9, older model, with all three

cables, and documentation.. you can order the new chip from Timewave for \$15 or send it to them for upgrade... \$85 and I will pay shipping... Work VERY well on CW.. I don't need it because I have an JPS NIR-10 with new software...

72/73 Dennis K3ETS Dallas

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: "Mitch, WA4OSR" <fmitch@maf.mobile.al.us>
Subject: [6434] internet propagation course
Message-ID: <315DF030.3D32250B@maf.mobile.al.us>

hi... mitch wa4osr here at vibroplex...

just ran across this propagation course being offered via the internet from stanford.edu ... check it out...

<http://solar.uleth.ca/solar>

Internet Space Weather and Radio Propagation
Forecasting Course.

mitch
wa4osr

ps this is what the internet is all about!!!

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: Grover <gtkq4al@qnet.com>
Subject: [6416] Lite QRP Aerial Wire
Message-ID: <1.5.4b12.16.19960330090848.193f77fc@pop3.qnet.com>

Home Depot has 18 guage, 7 strand, bare copper wire for \$14.50+ tax/500ft. Not stealth, but, at three cents a foot it seems ideal for camping/field-day/attic use.

72 y Paz Grover/Doris

* KQ4AL *ARCI 8150 *CO-QRP 203 *G-QRP 7872 *NE-QRP 296 *NW-QRP 252 *

*MI-QRP 1380 **NC-QRP 751 *QRP-L 14 *10-10 61894 *INDEXA 3001 *
* KE4CYE *CO-QRP 284 *NW-QRP 385 *QRP-L 52 *
* ***** Fixed Base/Mobile-Land/Sea/HF/VHF/UHF ***** *

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: cjsterl@ix.netcom.com (Craig J. Sterling)
Subject: [6413] Metro Wash. DC 10 meter SSB get together
Message-ID: <199603301344.FAA18164@dfw-ix7.ix.netcom.com>

Gang in and around the Wash. D.C. Metro area,

Don't forget Sunday's (March 31) 10 Meter SSB gathering on 28.490.00 at
9:00pm EST. Good opportunity to meet the locals.

Will post another reminder Sunday, March 31st.

After posting the original message re this event, my E-Mail was
accidentally deleted. Anyone having responded to me following that
posting was deleted also. Sorry for any inconvenience!

72's
Craig, AA3MD

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: bfollett@ditell.com
Subject: [6435] Misc Ham & Computer Stuff
Message-ID: <199603310238.TAA00668@orion.ditell.com>

Gang:

Any of you pick up on the Ham aspect of the "Freeman" vs. FBI story?

One paper said that the FBI infiltrated the Montana group by posing as Ham radio
tower installers. It seems that the Freeman use the Ham bands for their
communication system. Gee, I wonder what frequencies they use?

Also not exactly QRP related:

Monday, Bill Gates will announce what amounts to a "makeover" of today's
personal computer called "Simply Interactive Personal Computer". The new machine
will be able to control televisions, stereos, video cassette recorders, and

other appliances, along with new offerings. One such technology coming in the near future is the digital video disk (DVD). The unit will also hook up to the Internet and online services.

The question is, did he get our input for QRP requirements? Does it offer Pactor decoding, and FSK output? Will it manage "QRP to the Field"? Oh well, it will be another option to access QRP-L, anyway.

73, Bob

Bob Follett WA7FCU, QRP-L # 129, NorCal, ARCI, 10-10
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 Home Office E-mail: bfollett.ditell.com

From owner-qrp-l@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: okasb@shoe.mtv.gtegsc.com (Bob Okas)
Subject: [6428] New Rig Announcement
Message-ID: <9603302303.AA02317@shoe.mtv.gtegsc.com>

Gang,

I just received a flyer in the mail advertising a new qrp rig.
Here's the scoop:

"Introducing the brand-new QRPpp-- from 3x5 Labs. This is **the** rig for the serious QRP operator! Given the current crop of rigs, our designers decided to eschew the "me too" approach and sought to push qrp technology to the limits. As a result of their efforts, 3x5 Labs has leapfrogged the rest of the industry by producing a transceiver with a maximum output power of 10E-15 watts! Our designer, Nemo, NOBODY, even coined a new phrase:

"Milliwatts are for Morons, Femtowatts Forever!"

Here are the Specs:

General:

- Frequency coverage: 1750m, 200m, 160m, 80/75m, 49m, 31m, 20m, 11m, 5m, plus TV channel 2.
- Fully bandswitched: simply change the band modules.
- Band Modules: Fully Interchangable with NorCal Sierra and Casacde,

TenTec Scout, plus Knight-Kit Ocean Hopper and National HR0-60.
Your investment in gear is protected.

- Hinged clam-shell case. Micro-bungee cords keep the lid fastened.
- Built-in Nixie tube frequency display, NE-2 mode indicators.
- Patented no-tune VFO standard.
- Optional Altoids box available for accessories.
- Power Requirments: 12VDC @ 10A, 67 1/2V "B" battery @ 10 mA.

Receiver:

- Input sensitivity: 10E6 uV.
- Blocking dynamic range: -80 dBm
- Hot front end: A push-pull 6L6 stage biased to 250 mA plate current ensures maximum sensitivity and also serves as a damp chaser in wet field conditions.
- Patented Keeping-up-with-the-Jones's IF filter. Passband infinitely variable from DC to daylight.
- Mixer stage uses the latest NFG-1 Cubic Zirconia ring mixer.
- Super Degenerative, indirect conversion galena detector stage, ensures reception of AM and SW broadcast stations.
- Patented hand-capacitance RIT.

Transmitter:

- Max power output: 1 Femtowatt pep.
- Emissions: Noxious CW and Raspy LSB/USB
- SSB carrier and opposite sideband suppression: +10dB
- CW sidetone: 60Hz
- Built-in Illogical Technology keyer: 0-1 wpm.
- AF speech clipper based on the Rockman(tm) effects pedal.

- Silky-smooth QSK thanks to latest L'eggs technology.

With performance like this, we expect a rush of orders for the new QRPpp--. Hurry and place your order by Sunday, March 31, 1996 and receive a free discount on our upcoming modifications. Orders postmarked before midnight will qualify. Send the completed 10 page order form to:

3x5 Labs
25 Wordsorless
Gag Harbor, ME 60609 "

Strange, but no price or delivery is mentioned.

From owner-qrp-l@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: KC5GXL@pnx.com
Subject: [6430] new rigs
Message-ID: <199603302346.SAA20281@nss2.CC.Lehigh.EDU>

Yup, gotta haff me one of them there rigs. Whar do I send my \$5.00?
72/73 de kc5gx1 aka Dan

From owner-qrp-l@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: kd7s@valleynet.com (Bill Jones)
Subject: [6417] Noise Reduction
Message-ID: <199603301540.HAA17027@valleynet.com>

A short while back there was a thread going about passive noise reduction systems. I would sincerely appreciate knowing more about the methods and techniques involved. Thank you in advance for any information.

=====
Bill Jones - KD7S <><
QRP-L Member #85
Sanger, California
Reply to kd7s@valleynet.com
=====

From owner-qrp-l@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [6407] QRPP Index by K5FO
Message-ID: <Pine.SOL.3.91.960330070815.6335B-100000@utkux4.utcc.utk.edu>

Because I had already placed the SPRAT index in the QRP-L/BOOKS directory, I have also placed there a copy of K5FO's QRPP index by issues. You can get an ASCII copy by sending a message to

LISTSERV@LEHIGH.EDU

with no subject, but using the text

GET QRP-L/BOOKS <FILENAME.EXT>

where <filename.ext> might be SPRAT.INDEX or QRPP.INDEX

As a reminder, note that the list name and the directory are linked together as QRP-L/BOOKS and the filename.ext part follows, separated by one space. The advantage of using the e-mail GET command is that anyone on the list, even those with only e-mail service can retrieve a file in ASCII. The disadvantage is that you may have to trim off the message header info when you save it for reference.

-73-

LB, W4RNL

From owner-qrp-l@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: Doug Hendricks <ki6ds@telis.org>
Subject: [6404] Riley NM Trip & QRP to the Field
Message-ID: <315CE0E0.72E@telis.org>

Paul Harden and Jay Miller of this group have graciously invited me to attend the Riley QRP Expedition for the Second Annual QRP to the Field Contest on April 27th. I don't know if they were serious or not, but I certainly jumped at the chance. One of the things that I like to do is to meet and visit with QRPers. Paul sent some great pictures from last year, and I thought at the time that if I ever get the chance, I am going to go visit those guys and go on one of their expeditions. So, when the invitation came, I jumped at it. I will be leaving Oakland at 6:30 pm and arriving in Albuquerque at 11:00 where I will meet Chuck Adams, K5FO and we will travel to Riley with Jay Miller.

The New Mexico group is very active, and they have a super outing planned. I don't know what call we will use, but I understand that there will be a special QSL available for working Riley. Paul and Jay came up with a fantastic idea of having guys work from places of historical interest. You don't have to go to a ghost town, but find a place that has some history to it and go for the gold. Remember that

this is not a "YOur 599 599 72, QRZ???? type of contest. When you make a contact, tell them a little about where you are at, that you are using QRP power, and if you are using homebrew equipment be sure that you mention it.

Credit for the origination of the QRP to the Field concept goes to the New England QRP Club, and Jim Fitton. They were the originators of the idea in the Fall of 1994 and they had an even bigger event last fall. They asked us if we would like to sponsor the spring event, and Bob Farnworth, WU7F, kindly agreed to be the contest manager. He has done a wonderful job and NorCal is very happy to have his services. This is a great time to check out all of the new rigs. Don't forget to take pictures, send a writeup of your experiences so we can print it in QRPP.

By the way, do they have Diet Pepsi in Riley?????

72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: EVI <evi@access.digex.net>
Subject: [6414] Temporary WA8MCQ address
Message-ID: <Pine.SUN.3.92.960330084437.7433A-1000000@access4.digex.net>

My home system, abs.net, has been down for a full week now (except for a few hours of operation one day) due to major problems. If anyone has sent me e-mail recently, at wa8mcq@bbs.abs.net or @wb3ffv.ampr.org (both are equivalent) I probably won't see it for some time. If anyone needs to contact me you can do so temporarily at this address:

evi@access.digex.net

Please note that this is a company account used actively by a couple dozen people; you MUST put my name in the subject line or it will probably get lost in the shuffle. Use either "Mike C" or "Mike Ski".

73 and Queue Our Pea DE WA8MCQ

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: Christa Tucci <101322.207@compuserve.com>
Subject: [6408] Unlisting
Message-ID: <960330123657_101322.207_GHW30-1@CompuServe.COM>

unlist Bob Tucci

From owner-qrp-l@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: burdick@interval.com (Wayne Burdick)
Subject: [6432] Wanted for a friend: used QRP+, < \$500
Message-ID: <199603310026.QAA26945@interval.interval.com>

I just had a call from a retired ham up in San Francisco who is currently rigless. He built a NorCal 40A, but he really wants a sideband rig, something that will cover up through 10 meters. I described the QRP+ to him, which he'd never heard of, and he was quite interested.

If you have one you're trying to sell, please send me e-mail or call:

415-592-2700

Thanks & 73

Wayne
N6KR

From owner-qrp-l@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: EVI <evi@access.digex.net>
Subject: [6436] Re 28.322 oscillators
Message-ID: <Pine.SUN.3.92.960330211749.23715B-100000@access4.digex.net>

Usual disclaimer--I only have time to briefly scan the index of the Daily Digests and read things that look interesting, and can easily overlook some comments on a given thread so this may have already been pointed out, but here goes:

Re the recent discussion of oscillator cans for 28.322, I had an article on this subject in the October 1995 issue of the QRP Quarterly. I pointed out that they are quite dirty, but can be cleaned up easily with a simple pi net filter. I posted a copy of the article (less diagrams) to the QRP archives at lehigh.edu; it's under pub/listserv/qrp-l/articles and the file name is something like osc-can.mcq.

You can retrieve it via ftp or via e-mail. The actual file name has

a .Z at the end of it; as usual, do NOT include that .Z when downloading the file; if you do, YOU will be responsible for decompressing it yourself to make it readable. If you leave off the .Z, the system decompresses it before sending it to you.

If you only have e-mail and cannot do ftp, request it by sending e-mail to listserv@lehigh.edu, and put this in the body of the message:

```
GET QRP-L/articles osc-can.mcq
```

Note that there is NOT a slash after the subdirectory name! The file name must be separate or it will not work properly.

Unfortunately, I did not provide the specific values of the caps and coils that I used in the filter, either in the text or the diagrams (which are NOT included in the text-only version in the archives). I used the normalized filter tables from the ARRL handbook for that, but it's easy enough to figure out. (And if I get enough hate mail saying "maybe that's easy for YOU!", I'll write up a brief tutorial on using normalized filter tables and post it to qrp-l.)

If you have any comments on this posting, please do NOT send them to my normal address of wa8mcq@bbs.abs.net since that system has now been down for 8 days. Address any comments to evi@access.digex.net, and put my name in the subject line -- "Mike C" -- or it might get lost in the shuffle--that account is used by a couple dozen people and is NOT my own account. (And don't bother writing it down as a new address for me, since I'm only using it temporarily.)

73 and Queue Our Pea DE WA8MCQ
"wa8mcq@bbs.abs.net" (when it works!)

From owner-qrp-l@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: Steve Thompson AB7PF <kj7dn@primenet.com>
Subject: [6400] Re: CB Channel 19
Message-ID: <Pine.BSD.3.91.960329231435.6661B-100000@usr1.primenet.com>

On Sat, 30 Mar 1996, Jeffrey Hetherington wrote:

> Hi guys. Sorry for the bandwidth, but can anybody help a ham newbie that
> was never into CB. With all the talk of the summer 10m exercises and
> checking CB 19 for possible 10m openings, I was hoping somebody could

> tell me the freq. for CB 19.
>

The ARRL Handbook has a "CB Frequencies" chart. In the '94 edition, it's on page 18-6. I never would have noticed such a chart -- until I was reading about the use of CB crystals in filter designs ... I guess there **might** be a good use for CB's afterall :)

73, Steve - AB7PF

P.S. Ch. 19 is 27.185 MHz

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+-----+
| Steve C. Thompson - AB7PF      -----/----- E-mail kj7dn@primenet.com |
| Manager of Info. Technology  -----/-----      steve@cpginc.com |
| Continental Promotion Group  -----/H----- |
| Tempe, AZ, USA                H          Current Projects: |
|                                H          Explorer II 40M, 40-40 |
|                                H |
| 602.731.3535                  H          QRP-L #259   scQRPions #1 |
|                                H          NWQRP #387   NorCal #1516 |
|                                | |
+-----+
```

From owner-qrp-l@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: arosenzweig@sailors.steamboat.k12.co.us
Subject: [6420] Re: Comet Pics
Message-ID: <m0u33um-000Jg2C@rmii.com>

On Sat, 30 Mar 1996, N1QQV@aol.com wrote:
>SRI about the bandwidth, but I tried to download (via aol) some of the comet
>pics that were mentioned here, and couldn't get past the first screen.
> Didn't see a "Astro Images" button either. Anyone have any luck with
>this??

I was able to check out the site and enjoyed the pictures (using Netscape 2.0).
The "in-person" experience was a bit more satisfying, though! Quite a show.

72, Marty, W00Q
marty@mht.com

From owner-qrp-l@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: "J. Skalski" <jskalski@acsu.Buffalo.EDU>
Subject: [6429] Re: New Rig Announcement
Message-ID:
<Pine.SOL.3.91.960330182541.10271B-100000@conciliator.acsu.buffalo.edu>

April 1st is Monday....

73,

Jim N2G0
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
jskalski@acsu.Buffalo.EDU

From owner-qrp-l@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [6433] Re: New Rig Announcement
Message-ID: <199603310043.RAA29737@user.dancris.com>

At 06:26 PM 3/30/96 -0500, you wrote:

>April 1st is Monday....

>

No matter, I want one anyway :^)!

73,

Bob NorCal #1228, ARCI #8918, Qrp-l #271

From owner-qrp-l@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: Steven Wilson <randyw@crl.com>
Subject: [6421] Re: Noise Reduction
Message-ID: <Pine.SUN.3.91.960330082551.5115A-100000@crl13.crl.com>

Hi Bill, I expect you seen some of the e-mail from Ralph and myself.

Passive noise reduction does work. The closer the source is to you the better it seems to work. Does not work on static or distance noise sources.

The circuit is very simple, the first units used three series tuned

LC circuits. You tune the antenna, the noise antenna and a receiver circuit. As we play with these circuit we continue to learn. It now appears we only need two tuned circuits and the third circuit is just a coupling coil to the receiver.

You only want to pick up noise on the noise antenna. The noise is 180 degrees out of phase with the receive noise on the antenna circuit. Therefore, it cancels it's self out.

The tuning is quite sharp around resonance based on the Q of the circuit and at resonance a LC circuit goes through 180 degrees. Check a text engineering book for a universal resonance circuit (i.e. Radiotron).

I think I still have Ralph's e-mail on the drive and will send you a copy of that also. He did a very good job with a ASCII sketch of the circuit. He was able to do much better than I have been able to achieve. I expect his orginial noise level was considerable higher than I have.

Construction: I wound all three coils on the same form (2" PVC pipe). The inductance was 10.5 uH each. I used 140 mmf variable capactiors. I am working on a smaller version with a -43 power iron core , two coils plus 50 ohm coupling for receiver and 365 mm poly variable caps.

Problems: One needs to add a relay to short out the antenna inputs on transmitt, or add diodes, etc to protect the receiver front end. Circuits always increase in complexity. hi

It only takes a few housr to construct and test. Give it a try.

de stan ak0b
e-mail via randyw@crl.com

From owner-qrp-1@Lehigh.EDU Sat Mar 30 22:16:05 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [6425] Re: Rat hunt Tuesday
Message-ID: <Pine.SUN.3.90.960330105853.5311B-100000@vortex.sage.dri.edu>

Roach hunt?

Hmmmmmmm, there might be some that would look all over the place for the wrong kind of roach.....!

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....

....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17....ARRL....NorCal #330.....NRA LIFE.....